

AMENDMENTS TO THE SPECIFICATION

Please replace the title with the following amended title:

T CELL RECEPTOR CDR3 SEQUENCES ASSOCIATED WITH MULTIPLE SCLEROSIS AND COMPOSITIONS COMPRISING SAME METHODS FOR DETECTION

Please replace the Abstract with the following amended Abstract:

The present invention relates generally to the field of treating autoimmune diseases, such as multiple sclerosis (MS), rheumatoid arthritis (RA) and others. Methods of treating and monitoring multiple sclerosis an autoimmune disease by utilizing T-cell receptors peptides ~~are disclosed~~. In particular, Nnucleic acids and peptide sequences of T-cell receptors found in a population of MS patients are also disclosed provided, along with compositions comprising such TCR peptides for use in, e.g., vaccines.